

**Supplemental Table S2. Evaluation of effect measure modification by family history score for the associations between physical activity and breast cancer incidence, invasive cases only, by menopausal status, The Sister Study**

	Family history score	Physical activity	N cases	Stratified HR <sup>a</sup> (95% CI)	Ratio of stratified HRs	<i>p</i>
<b>Postmenopausal</b>	Low (<median)	<7 hours/week	784	1.00		
		≥7 hours/week	68	0.75 (0.58, 0.96)		
	High (≥median)	<7 hours/week	800	1.00		
		≥7 hours/week	74	0.90 (0.71, 1.14)	1.20 (0.85, 1.70)	0.3
	Low (<median)	IQR increase in MET-hours/week	852	0.94 (0.87, 1.01)		
	High (≥median)	IQR increase in MET-hours/week	874	0.91 (0.84, 0.98)	0.97 (0.87, 1.08)	0.6
<b>Premenopausal</b>	Low (<median)	<7 hours/week	80	1.00		
		≥7 hours/week	5	0.79 (0.32, 1.96)		
	High (≥median)	<7 hours/week	258	1.00		
		≥7 hours/week	21	1.15 (0.74, 1.80)	1.45 (0.53, 3.98)	0.5
	Low (<median)	IQR increase in MET-hours/week	85	1.00 (0.81, 1.23)		
	High (≥median)	IQR increase in MET-hours/week	279	1.06 (0.96, 1.17)	1.06 (0.83, 1.29)	0.6

<sup>a</sup> Adjusted for race, residence type, education, parity, alcohol use, and smoking status  
Abbreviations: HR, hazard ratio; CI, confidence interval; IQR, interquartile range